

$$e^{3x-1} = \frac{5}{4}$$

$$\ln \frac{5}{4} = 3x-1$$

$$\ln e^{\boxed{3x-1}} = \ln \frac{5}{4}$$

$$(3x-1) \cancel{\ln e} = \ln \frac{5}{4}$$

$$3x-1 = \ln \frac{5}{4}$$